ELSEVIER

Livestock Production Science 47 (1997) 279–280

LIVESTOCK PRODUCTION SCIENCE

Contents of *Livestock Production Science*, Volume 47

VOL. 47 NO. 1 **DECEMBER 1996**

Genetic parameters for body weight, fleece weight and fibre diameter in South African Angora goats
M.A. Snyman and J.J. Olivier (Middelburg Cape, South Africa) 1
Characterization of cattle copper deficiency in the Magdalena district
G.A. Mattioli, C.E. Ramírez, M.J. Giuliodori, C.M. Tittarelli (La Plata, Argentina), H. Yano and T. Matsui (Kyoto-Shi, Japan) . 7
Genetic association between feed intake and feed intake behaviour at different stages of growth of group-housed boars
A. Von Felde, R. Roehe (Kiel, Germany), H. Looft (Schleswig, Germany) and E. Kalm (Kiel, Germany) 11
Breed differences in maintenance requirements of growing pigs when accounting for changes in body composition
K. Kolstad and O. Vangen (Ås, Norway) 23
Breed and sex differences in fat distribution and mobilization in growing pigs fed at maintenance
K. Kolstad (Ås, Norway), N.B. Jopson (Mosgiel, New Zealand) and O. Vangen (Ås, Norway) 33
Performance and carcass traits of individual pigs housed in groups as affected by ad libitum and restricted feeding
P.J.L. Ramaekers, J.W.G.M. Swinkels, J.H. Huiskes (Rosmalen, The Netherlands), M.W.A. Verstegen (Wageningen, The Netherlands), L.A. Den Hartog and C.M.C. Van der Peet-Schwering (Rosmalen, The Netherlands) 43
Effects of food level and straw bedding during pregnancy on sow performance and responses to an ACTH challenge
H.A.M. Spoolder, J.A. Burbidge (Norfolk, Edinburgh, UK), S.A. Edwards, P.H. Simmins and A.B. Lawrence (Edinburgh, UK) . 51
Optimum designs for fish breeding programmes with constrained inbreeding. Mass selection for a normally distributed trait
B. Gjerde, H.M. Gjøen (Ås, Norway) and B. Villanueva (Edinburgh, UK) 59

EAAP NEWS 73
Editorial 73
47th Annual Meeting of EAAP in Norway 74
Presidential address 75
Notices from EAAP 77
Farewell address to the President 78
Notes of appreciation from the Past-President 79
Council of EAAP 80
EAAP Awards 81
Scholars at the 47th Annual Meeting 83
Young Scientists awards 83
Scholarships for 1997 Annual Meeting 83
Policy issues from Study Commissions 84
Satellite Symposia reports 85
Future EAAP Annual Meetings 88
Programme of 49th Annual Meeting, Warsaw 1998 90
Other EAAP notices 91
EAAP Study Commission reports 91
EAAP Task Force on Eastern Europe 103
Mediterranean Symposia Progamme 104
30th Biannual meeting ICAR 104
Interbull meeting 105

News from EAAP member countries 106
International news 107
In memoriam 108
Book reviews 109
Training courses 111
Forthcoming scientific conferences 112

VOL. 47 NO. 2 **FEBRUARY 1997**

Cytoplasmic and mitochondrial inheritance of economic traits in cattle
J.P. Gibson (Guelph, Ontario, Canada), A.E. Freeman (Ames, IA, USA) and P.J. Boettcher (Guelph, Ontario, Canada; Ames, IA, USA) 115
Visceral organ mass in wethers consuming diets with different forages and grain levels
B. Kouakou (Fayetteville, AR, USA), A.L. Goetsch (Booneville, AR, USA), A.R. Patil, D.L. Galloway, Sr. and K.K. Park (Fayetteville, AR, USA) 125
Utilisation of marker assisted selection in a commercial dairy cow population
R. Spelman (Wageningen, The Netherlands) and D. Garrick (Palmerston North, New Zealand) 139
Estimates of genetic parameters for litter size at different parities in pigs
L. Alfonso, J.L. Noguera, D. Babot and J. Estany (Lleida, Spain) 149
Energy utilization of twelve forages or mixed diets for maintenance by sport horses
M. Vermorel, W. Martin-Rosset and J. Vernet (St-Genès-Champanelle, France) 157
The influence of piglet body weight on milk production of sows
R.H. King, B.P. Mullan, F.R. Dunshea (Werribee, Vic., Australia) and H. Dove (Canberra, ACT, Australia) 169
Effects of the level of supplementation with concentrate on the nutritive value and utilization of oats hay cut at three maturity stages
K. Kraiem (Gouvernorat de Sousse, Tunisia), A. Majdoub (Tunis, Tunisia), S. Ben Abbes (Le Crib, Tunisia) and N. Moujahed (Mograne, Tunisia) 175

VOL. 47 NO. 3 **MARCH 1997**

Regular Papers

Estimation of genetic and phenotypic covariance functions for longitudinal or 'repeated' records by restricted maximum likelihood
K. Meyer and W.G. Hill (Edinburgh, UK) 185
Multiple trait genetic analysis of underlying biological variables of production functions
L. Varona, C. Moreno, L.A. García Cortés and J. Altarriba (Saragossa, Spain) 201
Effects of culling for male fertility in a dairy cattle population
E.-M. Stålhammar, E. Strandberg and J. Philipsson (Uppsala, Sweden) 211
Comparison of non-carriers and heterozygous carriers of the RN^- allele for carcass composition, muscle distribution and technological meat quality in Hampshire-sired pigs
A.-C. Enfält, K. Lundström, I. Hansson, S. Johansen and P.-E. Nyström (Uppsala, Sweden) 221
Use of *Bacillus stearothermophilus* spores as a marker for estimating digesta passage rate from the rumen in cattle
Z. Mir, P.S. Mir, M.S. Zaman, L.B. Selinger, T.A. McAllister, L.J. Yanke and K.-J. Cheng (Lethbridge, Alberta, Canada) 231
Relationships between technical, economic and environmental results on dairy farms: an explanatory study
C.W. Rougoor (Lelystad, Wageningen, The Netherlands), A.A. Dijkhuizen, R.B.M. Huirne (Wageningen, The Netherlands), F. Mandersloot (Lelystad, The Netherlands) and Y.H. Schukken (Utrecht, The Netherlands) 235
Indigenous browse leaves as supplements to dual purpose goats in central Tanzania
E.H. Goromela (Mpwapwa, Tanzania), I. Ledin and P. Udén (Uppsala, Sweden) 245
Protein retention in Italian heavy pigs: Development of a factorial approach for the determination of lysine requirement
R. Manini (Piacenza, Italy), A. Piva (Ozzano dell'Emilia, (BO), Italy), A. Prandini (Piacenza, Italy), A. Mordenti (Ozzano dell'Emilia, (BO), Italy), G. Piva (Piacenza, Italy) and J.Y. Dourmad (St. Gilles, France) 253
Concepts, scientific bases, structure and validation of the French horse net energy system (UFC)
M. Vermorel and W. Martin-Rosset (St-Genès-Champanelle, France) 261

Erratum

Erratum to: "Models which might explain negative correlations between direct and maternal genetic effects" [Livest. Prod. Sci. 45 (1996) 111–122]
D.L. Robinson (Armidale, NSW, Australia) 277

Contents of Volume 47 279